

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER UMBC-0012
		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/552,164
INTERNATIONAL APPLICATION NO. PCT/US2004/006276	INTERNATIONAL FILING DATE 01 March 2004 (01.03.2004)	PRIORITY DATE CLAIMED 09 May 2003 (09.05.2003)
TITLE OF INVENTION PROTEINS, SENSORS, AND METHODS OF CHARACTERIZING ANALYTES USING THE SAME		
APPLICANT(S) FOR DO/EO/US Leah TOLOSA, Govind RAO, and Xudong GE		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An Assignment Document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A Preliminary Amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute Specification.</li> <li>16. <input type="checkbox"/> A Power of Attorney and/or change of address letter.</li> <li>17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13<sup>ter</sup>.2 and 37 CFR 1.821-1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information:             <ul style="list-style-type: none"> <li>Statement to Support Filing and Submission of Sequence Listing (2 pages)</li> <li>Petition for a 4 Month Extension of Time (2 pages)</li> <li>Petition for Revival of a Patent Application Unintentionally Abandoned (2 pages)</li> <li>Paper Sequence Listing (1 page)</li> </ul> </li> </ol>		

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10/552,164

INTERNATIONAL APPLICATION  
PCT/US2004/006276

ATTORNEY'S DOCKET NO.  
UMBC-0012

21. The following fees are submitted:

<input type="checkbox"/>	a) Basic national fee .....	\$300.00
<input type="checkbox"/>	b) Examination fee .....	\$200.00
<input type="checkbox"/>	c) Search fee .....	\$500.00

**TOTAL OF ABOVE CALCULATIONS = \$1000.00**

<input type="checkbox"/>	Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.	\$
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Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE
- 100 =	/50 =		x \$250.00

Surcharge of **\$130.00** for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total Claims	- 20 =	0	x \$50.00
Independent Claims	- 3 =	0	x \$200.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00

**TOTAL OF ABOVE CALCULATIONS = \$**

<input type="checkbox"/>	Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	\$
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**SUBTOTAL = \$**

**+**

**TOTAL NATIONAL FEE = \$**

**+**

**TOTAL FEES ENCLOSED = \$**

Amount to be refunded:

\$

charged:

\$

a.  A check in the amount of \$ to cover the above fees is enclosed.

b.  Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0766. A duplicate copy of this sheet is enclosed.

d.  Fees are to be charged to a credit card. **WARNING: Information on this form may become public. Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b) must be filed and granted to restore the application to pending status.**

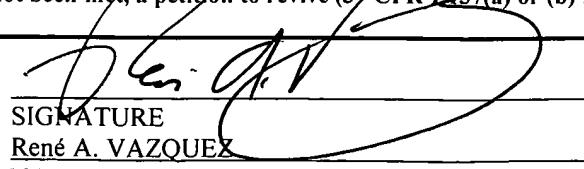
SEND ALL CORRESPONDENCE TO:

CUSTOMER NO. 68733

8270 Greensboro Drive, Suite 700

McLean, Virginia 22102

United States of America

  
SIGNATURE  
René A. VAZQUEZ

NAME

38,647

REGISTRATION NUMBER